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Turbiti ozone nanobubble mixer

Combined with the benefits of a static mixer Acniti has implemented their proprietary swirl flow technology to generate efficiently and effectively ozone nanobubbles. The turbiti OEM series gives dealers and partners the opportunity to implement the turbiti ozone technology into their own equipment and sell nanobubbles generator equipment under their own brand name. This product is only for dealers and partner of acniti, that have a license agreement and commit to buy certain quantities.

Turbiti ozone nanobubble mixer

Turbiti ozone nanobubble mixer

- ozone ultrafine bubbles are created with a swirl flow static mixer technology
- flexible installation for your own tailored solutions
- ultrafine ozone bubble generation ~ 100 nm bubble size
- produces billions of ozone nanobubbles
- ultrafine ozone bubbles stay in solution longer, maintaining longer ozone residual
- enhanced technology to hold gas better in solution

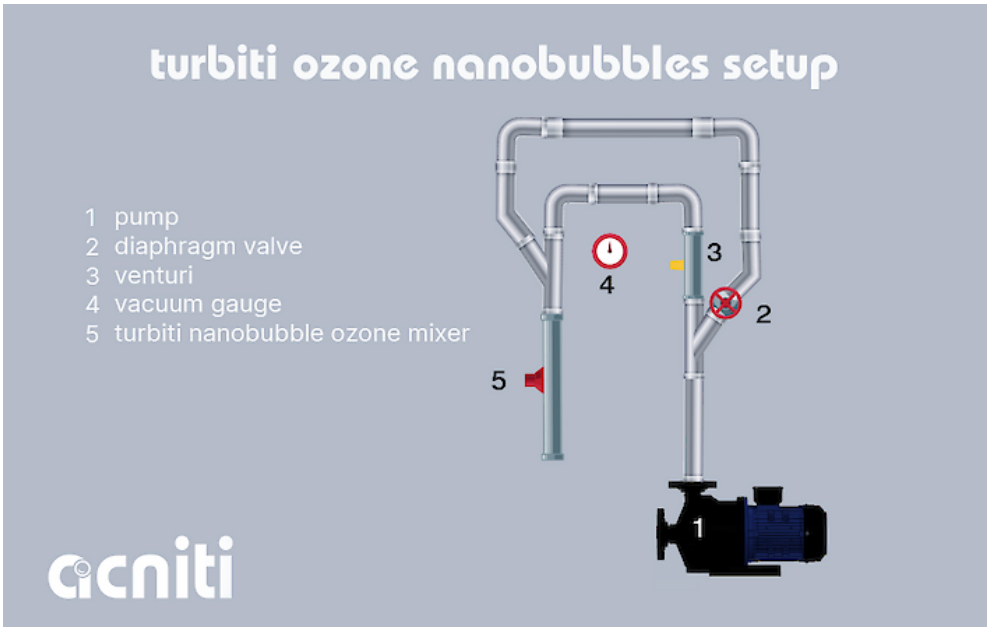
turbiti ozone nanobubbles enhanced swirl flow technology

The static mixer has its origin from mixing two liquids, the first patent for a static mixer was filed in 1965. Instead of mixing two liquids there is also the possibility of mixing a liquid and a gas. The benefits of the static mixers is that they can treat large volumes of water at once. They are not sensitive to clogging. The acniti technology is based on this principle. Rather than a normal static mixer, acniti has implemented their proprietary swirl flow technology. The swirl flow ozone technology beats up the water and ozone, and due to the available shear forces in the mixer nanobubbles are created. In the schematic on the left you can get a visualization of how the technology works. The turbiti has an enhanced dissolved aeration performance, dissolving gasses like ozone efficient and in large quantities in water.

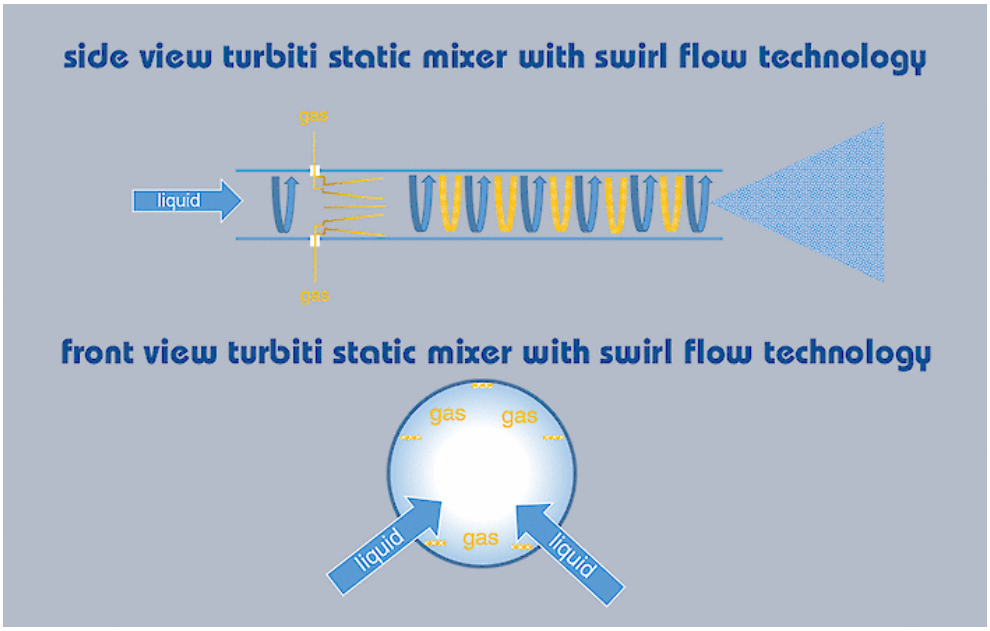
Volumes by model

turbiti models	Water lpm	Gas lpm
707 / 808	9 - 15	0.45 - 0.75
626 / 727 / 828	75 - 150	3 - 5
636 / 737 / 838	150 - 400	5 - 8
646 / 747 / 848	400 - 600	8 - 24
858	800 - 1000	40 - 50

Note: Volumes are indications and depend on the pump and pressure in your system



- Turbiti nanobubble mixer
- Turbiti O2 nanobubble mixer land based
- Turbiti submersible nanobubble mixer
- Turbiti O3 nanobubble mixer land based
- Swim Puriti O2 nanobubble mixer
- Swim Puriti O3 nanobubble mixer



turbiti 838 o3 nanobubble mixer venturi specs

	Beschreibung	Metrisch	Kaiserlich
1	Model name	Turbiti 838 O3 venturi	Turbiti 838 O3 venturi
2	Model number	turbiti_838_box304_venturi	turbiti_838_box304_venturi
	Flüssigkeit	**Metrisch**	**Kaiserlich**
3	Minimum flow / minute	150 Liter	40 Gallone
4	Maximum flow / minute	400 Liter	106 Gallone
5	Minimum flow / hour	9.0 M3	317.8 CF
6	Maximum flow / hour	24 M3	848 CF
7	water temperature minimum	-20 ℃	-4 ℉
8	water temperature maximum	50 ℃	122 ℉
9	Strainer availability and size	No strainer, strainer required when particles larger than 1 or 2 mm.	No strainer, strainer required when particles larger than 1 or 2 mm.
10	Recommended inlet filter(s)	Medium pump inlet filter series	Medium pump inlet filter series
	Umgebung	**Metrisch**	**Kaiserlich**
11	Ambient temperature minimum	-20 ℃	-4 ℉
12	Ambient temperature maximum	50 ℃	122 ℉
13	Relative humidity minimum	0 %	0 %
14	Relative humidity maximum	100 %	100 %
	Gas	**Metrisch**	**Kaiserlich**
15	Minimum flow / minute	5.0 Liter	1.3 Gallone

	Gas	Metrisch	Kaiserlich
16	Maximum flow / minute	8.0 Liter	2.1 Gallone
17	Minimum flow / hour	300 Liter	79 Gallone
18	Maximum flow / hour	480 Liter	127 Gallone
19	Druck Minimum	50 kPa	7 PSI
20	Druck maximal	350 kPa	51 PSI
21	Gas quality	Suitable for ozone	Suitable for ozone
	Elektrisch	**Metrisch**	**Kaiserlich**
22	Unit power consumption	No pump included with this product. Estimated power consumption 750-1000 watts.	No pump included with this product. Estimated power consumption 750-1000 watts.
23	Wetted parts	polycarbonate, PVC, EPDM rubber	polycarbonate, PVC, EPDM rubber
24	Pump model	Ozone resistant single stage centrifugal pumps	Ozone resistant single stage centrifugal pumps
25	Control	No control	No control
	Verbindungen	**Metrisch**	**Kaiserlich**
26	Water inlet	Rc 2", inner thread	Rc 2", inner thread
27	Water outlet	Rc 1", inner thread	Rc 1", inner thread
28	Gas inlet	via venturi	via venturi
	Abmessungen & Gewicht	**Metrisch**	**Kaiserlich**
29	Diameter x Length	106 x 482	4.2 x 19.0
30	weight	1.8 Kg	4.0 lbs.
31	Shipping dim. (w)x(d)x(h)	16 x 55 x 16 cm	6 x 22 x 6 Zoll
32	Shipping weight	4 Kg	9 lbs.

turbiti 808 o3 active gasinlet nanobubble mixer specs

	Beschreibung	Metrisch	Kaiserlich
1	Model name	Turbiti 808 O3 active gasinlet	Turbiti 808 O3 active gasinlet
2	Model number	turbiti_808_box304_active	turbiti_808_box304_active
	Flüssigkeit	**Metrisch**	**Kaiserlich**
3	Minimum flow / minute	9.0 Liter	2.4 Gallone
4	Maximum flow / minute	15 Liter	4.0 Gallone
5	Minimum flow / hour	540 Liter	143 Gallone
6	Maximum flow / hour	900 Liter	238 Gallone
7	water temperature minimum	-20 ℃	-4 ℉
8	water temperature maximum	50 ℃	122 ℉
9	Strainer availability and size	No strainer, strainer required when particles larger than 1 or 2 mm.	No strainer, strainer required when particles larger than 1 or 2 mm.
10	Recommended inlet filter(s)	Small pump inlet filter series	Small pump inlet filter series
	Umgebung	**Metrisch**	**Kaiserlich**
11	Ambient temperature minimum	-20 ℃	-4 ℉
12	Ambient temperature maximum	50 ℃	122 ℉
13	Relative humidity minimum	0 %	0 %
14	Relative humidity maximum	100 %	100 %
	Gas	**Metrisch**	**Kaiserlich**
15	Minimum flow / minute	0.5 Liter	0.1 Gallone

	Gas	Metrisch	Kaiserlich
16	Maximum flow / minute	0.8 Liter	0.2 Gallone
17	Minimum flow / hour	27 Liter	7.1 Gallone
18	Maximum flow / hour	45 Liter	12 Gallone
19	Druck Minimum	50 kPa	7 PSI
20	Druck maximal	350 kPa	51 PSI
21	Gas quality	Suitable for ozone	Suitable for ozone
	Elektrisch	**Metrisch**	**Kaiserlich**
22	Unit power consumption	No pump included with this product. Estimated power consumption 100-500 watts.	No pump included with this product. Estimated power consumption 100-500 watts.
23	Wetted parts	polycarbonate or ASA, PVC, EPDM rubber	polycarbonate or ASA, PVC, EPDM rubber
24	Pump model	Ozone resistant single stage centrifugal pumps	Ozone resistant single stage centrifugal pumps
25	Control	No control	No control
	Pumpe		
26	@option	Libelle FL5035 24VDC	
	Verbindungen	**Metrisch**	**Kaiserlich**
27	Water inlet	10 mm push to connect fitting or 3/8" on request	10 mm push to connect fitting or 3/8" on request
28	Water outlet	10 mm push to connect fitting or 3/8" on request	10 mm push to connect fitting or 3/8" on request
29	Gas inlet	via venturi	via venturi
	Abmessungen & Gewicht	**Metrisch**	**Kaiserlich**
30	Abm. (B) x (T) x (H)	120 x 180 x 140 mm	4.7 x 7.1 x 5.5 Zoll
31	weight	1.5 Kg	3.3 lbs.
32	Shipping dim. (w)x(d)x(h)	16 x 33 x 16 cm	6 x 13 x 6 Zoll
33	Shipping weight	2 Kg	4 lbs.

turbiti 828 o3 nanobubble mixer venturi specs

	Beschreibung	Metrisch	Kaiserlich
1	Model name	Turbiti 828 O3 venturi	Turbiti 828 O3 venturi
2	Model number	turbiti_828_box304_venturi	turbiti_828_box304_venturi
	Flüssigkeit	**Metrisch**	**Kaiserlich**
3	Minimum flow / minute	75 Liter	20 Gallone
4	Maximum flow / minute	150 Liter	40 Gallone
5	Minimum flow / hour	4.5 M3	158.9 CF
6	Maximum flow / hour	9.0 M3	317.8 CF
7	water temperature minimum	-20 ℃	-4 ℉
8	water temperature maximum	50 ℃	122 ℉
9	Strainer availability and size	No strainer, strainer required when particles larger than 1 or 2 mm.	No strainer, strainer required when particles larger than 1 or 2 mm.
10	Recommended inlet filter(s)	Medium pump inlet filter series	Medium pump inlet filter series
	Umgebung	**Metrisch**	**Kaiserlich**
11	Ambient temperature minimum	-20 ℃	-4 ℉
12	Ambient temperature maximum	50 ℃	122 ℉
13	Relative humidity minimum	0 %	0 %
14	Relative humidity maximum	100 %	100 %
	Gas	**Metrisch**	**Kaiserlich**
15	Minimum flow / minute	3.0 Liter	0.8 Gallone

	Gas	Metrisch	Kaiserlich
16	Maximum flow / minute	5.0 Liter	1.3 Gallone
17	Minimum flow / hour	180 Liter	48 Gallone
18	Maximum flow / hour	300 Liter	79 Gallone
19	Druck Minimum	50 kPa	7 PSI
20	Druck maximal	350 kPa	51 PSI
21	Gas quality	Suitable for ozone	Suitable for ozone
	Elektrisch	**Metrisch**	**Kaiserlich**
22	Unit power consumption	No pump included with this product. Estimated power consumption 500-750 watts.	No pump included with this product. Estimated power consumption 500-750 watts.
23	Wetted parts	polycarbonate or ASA, PVC, EPDM rubber	polycarbonate or ASA, PVC, EPDM rubber
24	Pump model	Ozone resistant single stage centrifugal pumps	Ozone resistant single stage centrifugal pumps
25	Control	No control	No control
	Verbindungen	**Metrisch**	**Kaiserlich**
26	Water inlet	Rc 1.25", inner thread	Rc 1.25", inner thread
27	Water outlet	Rc 3/4", inner thread	Rc 3/4", inner thread
28	Gas inlet	via venturi	via venturi
	Abmessungen & Gewicht	**Metrisch**	**Kaiserlich**
29	Abm. (B) x (T) x (H)	120 x 422 x 116 mm	4.7 x 16.6 x 4.6 Zoll
30	weight	2.8 Kg	6.2 lbs.
31	Shipping dim. (w)x(d)x(h)	55 x 16 x 16 cm	22 x 6 x 6 Zoll
32	Shipping weight	3 Kg	7 lbs.

turbiti 848 o3 nanobubble mixer venturi specs

	Beschreibung	Metrisch	Kaiserlich
1	Model name	Turbiti 848 O3 venturi	Turbiti 848 O3 venturi
2	Model number	turbiti_848_box304_venturi	turbiti_848_box304_venturi
	Flüssigkeit	**Metrisch**	**Kaiserlich**
3	Minimum flow / minute	400 Liter	106 Gallone
4	Maximum flow / minute	600 Liter	159 Gallone
5	Minimum flow / hour	24 M3	848 CF
6	Maximum flow / hour	36 M3	1,271 CF
7	water temperature minimum	-20 ℃	-4 ℉
8	water temperature maximum	50 ℃	122 ℉
9	Strainer availability and size	No strainer, strainer required when particles larger than 1 or 2 mm.	No strainer, strainer required when particles larger than 1 or 2 mm.
	Umgebung	**Metrisch**	**Kaiserlich**
10	Ambient temperature minimum	-20 ℃	-4 ℉
11	Ambient temperature maximum	50 ℃	122 ℉
12	Relative humidity minimum	0 %	0 %
13	Relative humidity maximum	100 %	100 %
	Gas	**Metrisch**	**Kaiserlich**
14	Minimum flow / minute	14 Liter	3.7 Gallone
15	Maximum flow / minute	16 Liter	4.2 Gallone
16	Minimum flow / hour	840 Liter	222 Gallone

	Gas	Metrisch	Kaiserlich
17	Maximum flow / hour	960 Liter	254 Gallone
18	Druck Minimum	50 kPa	7 PSI
19	Druck maximal	350 kPa	51 PSI
20	Gas quality	Suitable for ozone	Suitable for ozone
	Elektrisch	**Metrisch**	**Kaiserlich**
21	Unit power consumption	No pump included with this product. Estimated power consumption 1500-2500 watts.	No pump included with this product. Estimated power consumption 1500-2500 watts.
22	Wetted parts	polycarbonate, PVC, EPDM rubber	polycarbonate, PVC, EPDM rubber
23	Pump model	Ozone resistant single stage centrifugal pumps	Ozone resistant single stage centrifugal pumps
24	Control	No control	No control
	Verbindungen	**Metrisch**	**Kaiserlich**
25	Water inlet	Rc2", inner thread	Rc2", inner thread
26	Water outlet	40 mm or 1.5 inch threaded connection	40 mm or 1.5 inch threaded connection
27	Gas inlet	via venturi	via venturi
	Abmessungen & Gewicht	**Metrisch**	**Kaiserlich**
28	Abm. (B) x (T) x (H)	105 x 720 x 105 mm	4.1 x 28.3 x 4.1 Zoll
29	weight	5.5 Kg	12.1 lbs.
30	Shipping dim. (w)x(d)x(h)	17 x 74 x 16 cm	7 x 29 x 6 Zoll
31	Shipping weight	6 Kg	13 lbs.

turbiti 858 o3 nanobubble mixer venturi specs

	Beschreibung	Metrisch	Kaiserlich
1	Model name	Turbiti 858 O3 venturi	Turbiti 858 O3 venturi
2	Model number	turbiti_858_oem_venturi	turbiti_858_oem_venturi
	Flüssigkeit	**Metrisch**	**Kaiserlich**
3	Minimum flow / minute	800 Liter	211 Gallone
4	Maximum flow / minute	1,200.0 Liter	317 Gallone
5	Minimum flow / hour	48 M3	1,695 CF
6	Maximum flow / hour	72 M3	2,543 CF
7	water temperature minimum	-20 ℃	-4 ℉
8	water temperature maximum	50 ℃	122 ℉
9	Strainer availability and size	No strainer, strainer required when particles larger than 5 mm.	No strainer, strainer required when particles larger than 5 mm.
10	Recommended inlet filter(s)	Large pump inlet filter series	Large pump inlet filter series
	Umgebung	**Metrisch**	**Kaiserlich**
11	Ambient temperature minimum	-20 ℃	-4 ℉
12	Ambient temperature maximum	50 ℃	122 ℉
13	Relative humidity minimum	0 %	0 %
14	Relative humidity maximum	100 %	100 %
	Gas	**Metrisch**	**Kaiserlich**
15	Minimum flow / minute	0.0 M3	1.0 CF
16	Maximum flow / minute	0.0 M3	1.1 CF

	Gas	Metrisch	Kaiserlich
17	Minimum flow / hour	1.7 M3	59 CF
18	Maximum flow / hour	1.9 M3	68 CF
19	Druck Minimum	140 kPa	20 PSI
20	Druck maximal	350 kPa	51 PSI
21	Gas quality	Suitable for ozone	Suitable for ozone
	Elektrisch	**Metrisch**	**Kaiserlich**
22	Wetted parts	polycarbonate, PVC, EPDM rubber	polycarbonate, PVC, EPDM rubber
23	Pump model	Ozone resistant single stage centrifugal pumps	Ozone resistant single stage centrifugal pumps
24	Control	No control	No control
	Verbindungen	**Metrisch**	**Kaiserlich**
25	Water inlet	Rc3", outer thread	Rc3", outer thread
26	Water outlet	Rc2", inner thread	Rc2", inner thread
27	Gas inlet	via venturi	via venturi
	Abmessungen & Gewicht	**Metrisch**	**Kaiserlich**
28	weight	11.1 Kg	24.5 lbs.
29	Shipping dim. (w)x(d)x(h)	35 x 95 x 34 cm	14 x 37 x 13 Zoll
30	Shipping weight	12 Kg	26 lbs.

turbiti 828 o3 active gasinlet nanobubble mixer box 304

	Beschreibung	Metrisch	Kaiserlich
1	Model name	Turbiti 828 O3 active gasinlet box 304	Turbiti 828 O3 active gasinlet box 304
2	Model number	turbiti_828_box304_active	turbiti_828_box304_active
	Verbindungen	**Metrisch**	**Kaiserlich**
3	Water inlet	Rc 1.25", inner thread	Rc 1.25", inner thread
4	Water outlet	Rc 3/4", inner thread	Rc 3/4", inner thread
5	Gas inlet	SUS316 compression fitting 6mm or 1/4"	SUS316 compression fitting 6mm or 1/4"

turbiti 838 o3 active gasinlet nanobubble mixer box 304

	Beschreibung	Metrisch	Kaiserlich
1	Model name	Turbiti 838 O3 active gasinlet box 304	Turbiti 838 O3 active gasinlet box 304
2	Model number	turbiti_838_OEM_active	turbiti_838_OEM_active
	Verbindungen	**Metrisch**	**Kaiserlich**
3	Water inlet	Rc 2", inner thread	Rc 2", inner thread
4	Water outlet	Rc 1", inner thread	Rc 1", inner thread
5	Gas inlet	Venturi	Venturi

turbiti 848 o3 active gasinlet nanobubble mixer box 304

	Beschreibung	Metrisch	Kaiserlich
1	Model name	Turbiti 848 O3 active gasinlet box 304	Turbiti 848 O3 active gasinlet box 304
2	Model number	turbiti_848_box304_active	turbiti_848_box304_active
	Verbindungen	**Metrisch**	**Kaiserlich**
3	Water inlet	Rc 2", inner thread	Rc 2", inner thread
4	Water outlet	Rc 1.25", inner thread	Rc 1.25", inner thread
5	Gas inlet	10mm or 3/8" SUS 316 compression fitting	10mm or 3/8" SUS 316 compression fitting

turbiti 858 o3 nanobubble mixer active specs

	Beschreibung	Metrisch	Kaiserlich
1	Model name	Turbiti 858 O3 active	Turbiti 858 O3 active
2	Model number	turbiti_858_oem_active	turbiti_858_oem_active
	Verbindungen	**Metrisch**	**Kaiserlich**
3	Water inlet	Rc3", outer thread	Rc3", outer thread
4	Water outlet	Rc2", inner thread	Rc2", inner thread
5	Gas inlet	10mm or 3/8" SUS 316 compression fitting	10mm or 3/8" SUS 316 compression fitting